



ARNOLD & PORTER LLP

September 10, 2004

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Washington, DC 20004-1206

*Mail Stop Amendment*

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: U.S. Patent Application No. 10/764,112  
Filed: January 23, 2004  
Title: *Method of Identifying Chemical Compounds Having  
Selected Properties for a Particular Application*  
Applicant: Joseph C. HOGAN, Jr.  
Atty. Docket No.: 16887.068

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. an Information Disclosure Statement;
2. a PTO-1449 form (19 pages) and 141 accompanying documents; and
3. a Return Postcard.

Please stamp the attached postcard with the filing date of these documents and return it to our courier.

Applicant does not believe that any fees are due in conjunction with this submission. If, however, any fees are due in conjunction with this submission, including any extension of time fees required to prevent abandonment, then such extensions are hereby petitioned, and the Commissioner is hereby authorized to charge any fees associated with the present submission to Arnold & Porter LLP Deposit Account No. 50-2387, referencing docket number 16887.068.

Respectfully submitted,

David R. Marsh (Reg. Attorney No. 41,408)  
Lisa A. Adelson\* (Reg. Agent No. 51,204)

*\*Not admitted to the practice of law. Admitted to practice before the U.S. Patent & Trademark Office only.*

Enclosures



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Joseph C. HOGAN, Jr.

Application No.: 10/764,112

Filed: January 23, 2004

For: *Method of Identifying Chemical  
Compounds Having Selected  
Properties for a Particular  
Application*

Group Art Unit: 1772

Examiner: To Be Assigned

Confirmation No.: 7879

Atty. Docket: 16887.068

**INFORMATION DISCLOSURE STATEMENT**

**Mail Stop Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

The attention of the Examiner is invited to the documents listed on the attached Form PTO-1449.

Copies of the documents on pages 1 to 8 of Form PTO-1449 are provided herewith. Copies of the documents on pages 9-19 of Form PTO-1449 were previously submitted in prior Application No. 08/177,497, which application was relied on for a benefit claim under 35 U.S.C. § 120 in the present application. As such, in accordance with 37 C.F.R. § 1.98(d), copies of the documents listed on pages 9-19 are not submitted.

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

**Certification and Fee**

Applicant does not believe a fee is required in conjunction with this submission.  
However, if any fees are required for submission of this Information Disclosure Statement in the present application, authorization to charge these fees is given in the accompanying transmittal letter.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Lisa A. Adelson". The signature is fluid and cursive, with the first name "Lisa" and last name "Adelson" clearly distinguishable.

David R. Marsh (Reg. Attorney No. 41,408)  
Lisa A. Adelson\* (Reg. Agent No. 51,204)

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SEP 10 2004

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

16887.068

APPLICATION NO.

10/764,112

APPLICANTS

Joseph C. HOGAN, Jr.

FILING DATE

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1772

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	4,631,211	12/1986	Houghten			
	5,010,175	04/1991	Rutter <i>et al.</i>			
	5,053,454	10/1991	Judd			
	5,143,854	09/1992	Pirrung <i>et al.</i>			
	5,182,366	01/1993	Huebner <i>et al.</i>			
	5,223,409	06/1993	Ladner <i>et al.</i>			
	5,225,533	06/1993	Rutter <i>et al.</i>			
	5,288,514	02/1994	Ellman			
	5,300,425	04/1994	Kauvar			
	5,324,483	06/1994	Cody <i>et al.</i>			
	5,359,115	10/1994	Campbell <i>et al.</i>			
	5,367,053	11/1994	Dooley <i>et al.</i>			
	5,424,186	06/1995	Fodor <i>et al.</i>			
	5,449,754	09/1995	Nishioka			
	5,463,564	10/1995	Agrafiotis <i>et al.</i>			
	5,464,759	11/1995	Coolidge <i>et al.</i>			
	5,503,805	04/1996	Sugarman <i>et al.</i>			
	5,525,734	06/1996	Gallop <i>et al.</i>			
	5,525,735	06/1996	Gallop <i>et al.</i>			
	5,545,568	08/1996	Ellman			
	5,574,656	11/1996	Agrafiotis <i>et al.</i>			
	5,609,826	03/1997	Cargill <i>et al.</i>			
	5,614,608	03/1997	Krchnak <i>et al.</i>			
	5,639,866	06/1997	Kahne			
	5,646,285	07/1997	Baindur <i>et al.</i>			
	5,651,943	07/1997	Lam <i>et al.</i>			
	5,663,046	09/1997	Baldwin <i>et al.</i>			

## U.S. PATENT DOCUMENTS

EXAMINER

DATE CONSIDERED

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
		5,670,326	09/1997	Beutel			
		5,684,711	11/1997	Agrafiotis <i>et al.</i>			
		5,738,996	04/1998	Hodges <i>et al.</i>			
		5,744,305	04/1998	Fodor <i>et al.</i>			
		5,766,556	06/1998	DeWitt <i>et al.</i>			
		5,770,455	06/1998	Cargill <i>et al.</i>			
		5,807,683	09/1998	Brenner			
		5,831,014	11/1998	Cook <i>et al.</i>			
		5,864,010	01/1999	Cook <i>et al.</i>			
		5,877,278	03/1999	Zuckermann <i>et al.</i>			
		5,958,702	09/1999	Benner			
		5,968,736	10/1999	Still <i>et al.</i>			
		5,985,356	11/1999	Schultz <i>et al.</i>			
		5,985,551	11/1999	Brennan			
		6,001,579	12/1999	Still <i>et al.</i>			
		6,060,596	05/2000	Lerner <i>et al.</i>			
		6,096,276	08/2000	Laursen			
		6,121,048	09/2000	Zaffaroni <i>et al.</i>			
		6,245,937 B1	06/2001	Cheng <i>et al.</i>			
		6,319,668 B1	11/2001	Nova <i>et al.</i>			
		08/092,862	07/1993	Armstrong			

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
		0 604 552 B1	02/1997	EPO			Yes No
		90/15070	12/1990	PCT			Yes No
		91/17271	11/1991	PCT			Yes No
		91/19735	12/1991	PCT			Yes No

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	91/19818	12/1991	PCT			Yes
						No
	92/10092	06/1992	PCT			Yes
						No
	93/09668	05/1993	PCT			Yes
						No
	93/20242	10/1993	PCT			Yes
						No
	93/22684	11/1993	PCT			Yes
						No
	94/08051	04/1994	PCT			Yes
						No
	94/08711	04/1994	PCT			Yes
						No
	95/02566	01/1995	PCT			Yes
						No
	95/35278	12/1995	WO			Yes
						No
	95/16209	06/1995	PCT			Yes
						No
	95/32425	11/1995	PCT			Yes
						No
	96/23749	08/1996	PCT			Yes
						No
	0 643 778 B1	05/2000	EPO			Yes
						No
	0 734 530 B1	11/1997	EPO			Yes
						No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
			Armstrong, Robert W. <i>et al.</i> , "Analogues of the Azinomycins: Selective Acetylation via Orthoacetate Hydrolysis," (Abstract).
			Baldwin <i>et al.</i> , "Synthesis of a Small Molecule Combinatorial Library Encoded with Molecular Tags," <i>J. Am. Chem. Soc.</i> , 117:5588-5589.
			Barbas <i>et al.</i> , "Direct selection of antibodies that coordinate metals from semisynthetic combinatorial libraries," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 90:6385-6389 (1993).
			Blondelle <i>et al.</i> , "Development of New Antimicrobial Peptides Using Synthetic Peptide Combinatorial Libraries Containing Unnatural Amino Acids," Torrey Pines Inst. for Molecular Studies (Abstract).
			Boyce <i>et al.</i> , 1994, "Peptidosteroidal Receptors for Opioid Peptides. Sequence-Selective Binding Using a Synthetic Receptor Library," <i>J. Am. Chem. Soc.</i> , 116:7955-7956.
			Bray, Andrew M. <i>et al.</i> , "The Simultaneous Multiple Production of Solution Phase Peptides: Assessment of the Geysen Method of Simultaneous Peptide Synthesis," <i>Tetrahedron Letters</i> , Vol. 31, No. 40, pp. 5811-5814, 1990.
			Brenner and Lerner, 1992, "Encoded combinatorial chemistry," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 89:5381-5383.

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		Bunin and Ellman, 1992, "A General and Expedient Method for the Solid-Phase Synthesis of 1,4-Benzodiazepine Derivatives," <i>J. Am. Chem. Soc.</i> , 114:10997-10998.
		Bunin <i>et al.</i> , 1994, "The combinatorial synthesis and chemical and biological evaluation of a 1,4-benzodiazepine library," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 91:4708-4712.
		Burbaum <i>et al.</i> , 1995, "A paradigm for drug discovery employing encoded combinatorial libraries," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 92:6027-6031.
		Campbell <i>et al.</i> , 1995, "A Transition State Analogue Inhibitor Combinatorial Library," <i>J. Am. Chem. Soc.</i> 117:5381-5382.
		Carell <i>et al.</i> , 1995, "New promise in combinatorial chemistry: synthesis, characterization, and screening of small-molecule libraries in solution," <i>Chemistry and Biology</i> 2:171-183.
		Chabala, 1995, "Solid-phase combinatorial chemistry and novel tagging methods for identifying leads," <i>Current Opinion in Biotechnology</i> 6:632-639.
		Chen <i>et al.</i> , 1994, "Analogous Organic Synthesis of Small-Compound Libraries: Validation of Combinatorial Chemistry in Small-Molecule Synthesis," <i>J. Am. Chem. Soc.</i> 116:2661-2662.
		Cho <i>et al.</i> , 1993, "An Unnatural Biopolymer," <i>Science</i> 261:1303-1305.
		Christian <i>et al.</i> , 1992, "Simplified Methods for Construction, Assessment and Rapid Screening of Peptide Libraries in Bacteriophage," <i>J. Mol. Biol.</i> , 227:711-718.
		Combs, Andrew Paul, 1994, "Syntheses and Structure-Activity Relationship Analyses of Dehydroamino Acid Derivatives Related to the Azinomycins," Dissertation, University of California (Thesis and Abstract of Thesis).
		Combs, Andrew Paul <i>et al.</i> , 1993, "Highly Convergent Synthesis of Azinomycin Analogs Via Passerini Reactions of Vinylaziridine Isocyanides," <i>Am. Chem. Soc. Vol.</i> 206(1-2):367.
		Cwirla <i>et al.</i> , 1990, "Peptides on phage: A vast library of peptides for identifying ligands," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 87:6378-6382.
		Desai <i>et al.</i> , 1994, "Recent Advances in the Generation of Chemical Diversity of Libraries," <i>Drug Development Research</i> 33:174-188.
		Devlin <i>et al.</i> , 1990, "Random Peptide Libraries: A Source of Specific Protein Binding Molecules," <i>Science</i> 249:404-406.
		DeWitt <i>et al.</i> , "Diversomers: An approach to non-peptide, nonoligomeric chemical diversity," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 90:6909-6913 (1993).
		Dooley <i>et al.</i> , "New, Potent N-Acetylated L- and D-Amino Acid Opioid Peptides," Torrey Pines Inst. for Molecular Studies (Abstract).
		Ecker <i>et al.</i> , 1993, "Rational screening of oligonucleotide combinatorial libraries for drug discovery," <i>Nucleic Acids Res.</i> 21:1853-1856.

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		Eichler <i>et al.</i> , "Identification of Trypsin-Inhibiting All D-Amino Acid Peptides Through The Screening of a Synthetic D-Amino Acid Peptide Library," Torrey Pines Inst. for Molecular Studies (Abstract).
		Eichler <i>et al.</i> , "Cyclic Peptide Template Combinatorial Libraries: Synthesis and Identification of Chymotrypsin Inhibitors," <i>Peptide Research</i> 7:300-307 (1994).
		Ellman, 1996, "Design, Synthesis and Evaluation of Small-Molecule Libraries," <i>Acc. Chem. Res.</i> 29:132-143.
		Erb <i>et al.</i> , 1994, "Recursive deconvolution of combinatorial chemical libraries," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 91:11422-11426.
		Fodor <i>et al.</i> , 1991, "Light-Directed, Spatially Addressable Parallel Chemical Synthesis," <i>Science</i> 251:767-773.
		Freier <i>et al.</i> , 1995, "Deconvolution of Combinatorial Libraries for Drug Discovery: A Model System," <i>J. Med. Chem.</i> 38:344-352.
		Furka <i>et al.</i> , 1991, "General method for rapid synthesis of multicomponent peptide mixtures," <i>Int. J. Peptide Protein Res.</i> 37:487-493.
		Gallop <i>et al.</i> , 1994, "Applications of Combinatorial Technologies to Drug Discovery. 1. Background and Peptide Combinatorial Libraries," <i>J. Med. Chem.</i> 37:1233-1251.
		Garr <i>et al.</i> , "Current Technology Applied to Established Chemical Knowledge: A Novel Approach to Small Molecule Chemical Libraries" Chem. Div., Panlabs, Inc. (Abstract).
		Geysen and Mason, 1993, "Screening chemically synthesized peptide libraries for biologically-relevant molecules," <i>Bioorganic &amp; Medicinal Chemistry Letters</i> 3:397-404.
		Geysen <i>et al.</i> , 1987, "Strategies for epitope analysis using peptide synthesis," <i>Journal of Immunological Methods</i> 102:259-274.
		Gordon <i>et al.</i> , "Applications of Combinatorial Technologies to Drug Discovery. 2. Combinatorial Organic Synthesis, Library Screening Strategies, and Future Directions," <i>J. Med. Chem.</i> 37:1386-1401 (1994).
		Han <i>et al.</i> , 1995, "Liquid-phase combinatorial synthesis," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 92:6419-6423.
		Harn <i>et al.</i> , "Thiomethylene Arg-Gly-Asp Pseudotriptides for Solid Phase Synthesis" Tanabe Research Laboratories (Abstract).
		Houghten, 1985, "General method for the rapid solid-phase synthesis of large numbers of peptides: Specificity of antigen-antibody interaction at the level of individual amino acids," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 82:5131-5135.
		Houghten <i>et al.</i> , 1991, "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discovery," <i>Nature</i> 354:84-86.

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			Houghten, Richard A., "The broad utility of soluble peptide libraries for drug discovery," <i>Gene</i> , 137:7-11 (1993).
			Jacobs and Fodor, 1994, "Combinatorial chemistry – applications of light-directed chemical synthesis," <i>TIBTECH</i> 12:19-26.
			Jung and Beck-Sickinger, 1992, "Multiple Peptide Synthesis Methods and Their Applications," <i>Angew. Chem. Int. Ed. Engl.</i> , 31:367-383.
			Kerr <i>et al.</i> , 1993, "Encoded Combinatorial Peptide Libraries Containing Non-Natural Amino Acids," <i>J. Am. Chem. Soc.</i> 115:2529-2531.
			Kick and Ellman, 1995, "Expedient Method for the Solid-Phase Synthesis of Aspartic Acid Protease Inhibitors Directed Toward the Generation of Libraries," <i>J. Med. Chem.</i> 38:1424-1430.
			Krchňák and Lebl, 1995, "Synthetic library techniques: Subjective (biased and generic) thoughts and views," <i>Molecular Diversity</i> 1:193-216.
			Lam <i>et al.</i> , 1991, "A new type of synthetic peptide library for identifying ligand-binding activity," <i>Nature</i> 354:82-84.
			Latham <i>et al.</i> , 1994, "The application of a modified nucleotide in aptamer selection: novel thrombin aptamers containing 5-(1-pentynyl)-2'-deoxyurine," <i>Nucleic Acids Res.</i> 22:2817-2822.
			Martin <i>et al.</i> , 1995, "Measuring Diversity: Experimental Design of Combinatorial Libraries for Drug Discovery," <i>J. Med. Chem.</i> 38:1431-1436.
			Moran <i>et al.</i> , 1995, "Radio Frequency Tag Encoded Combinatorial Library Method for the Discovery of Tripeptide-Substituted Cinnamic Acid Inhibitors of the Protein Tyrosine Phosphatase PTP1B," <i>J. Am. Chem. Soc.</i> 117:10787-10788.
			Murphy <i>et al.</i> , 1995, "Combinatorial Organic Synthesis of Highly Functionalized Pyrrolidines: Identification of a Potent Angiotensin Converting Enzyme Inhibitor from a Mercaptoacyl Proline Library," <i>J. Am. Chem. Soc.</i> 117:7029-7030.
			Needels <i>et al.</i> , 1993, "Generation and screening of an oligonucleotide-encoded sythetic peptide library," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 90:10700-10704.
			Nielsen <i>et al.</i> , 1993, "Synthetic Methods for the Implementation of Encoded Combinatorial Chemistry," <i>J. Am. Chem. Soc.</i> 115:9812-9813.
			Nikolaiev <i>et al.</i> , 1993, "Peptide-Encoding for Structure Determination of Nonsequenceable Polymers within Libraries Synthesized and Tested on Solid-Phase Supports," <i>Peptide Research</i> 6(3):161-170.
			Ohlmeyer, Michael "Combinatorial Libraries Encoded with Molecular Tags" <i>Pharmacopeia</i> (Abstract).
			Ohlmeyer <i>et al.</i> , 1993, "Complex synthetic chemical libraries indexed with molecular tags," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 90:10922-10926.

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			Ostresh <i>et al.</i> , 1994, "Libraries from libraries: Chemical transformation of combinatorial libraries to extend the range and repertoire of chemical diversity," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 91:11138-11142.
			Pavia, Michael R. <i>et al.</i> , "The Generation of Molecular Diversity," <i>Bioorganic &amp; Medicinal Chemistry Letters</i> , Vol. 3(3):387-396 (1993).
			Pease <i>et al.</i> , 1994, "Light-generated oligonucleotide arrays for rapid DNA sequence analysis," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 91:5022-5026.
			Pinilla <i>et al.</i> , "A Soluble Synthetic Decapeptide Library Composed of Four Trillion Sequences for the Study of Antigen-Antibody Interactions" Torrey Pines Inst. for Molecular Studies (Abstract).
			Pinilla <i>et al.</i> , "Investigation of antigen-antibody interactions using a soluble, non-support-bound synthetic decapeptide library composed of four trillion ( $4 \times 10^{12}$ ) sequences," <i>Biochem. J.</i> 301:847-853 (1994).
			Posner <i>et al.</i> , 1994, "Catalytic antibodies: perusing combinatorial libraries," <i>TIBS</i> 19:145-150.
			Romanovskis <i>et al.</i> , "Cyclic Peptide Libraries: Recent Developments" Dept. of Chem., U. of Louisville (Abstract).
			Scott, 1992, "Discovering peptide ligands using epitope libraries," <i>TIBS</i> 17:241-245.
			Scott and Smith, 1990, "Searching for Peptide Ligands with an Epitope Library," <i>Science</i> 249:386-390.
			Sepetov <i>et al.</i> , 1995, "Library of libraries: Approach to synthetic combinatorial library design and screening of 'pharmacophore' motifs," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 92:5426-5430.
			Shikhman <i>et al.</i> , "Cytokeratin Peptides Mimic N-Acetyl- $\beta$ -D-Glucosamine in Reactions with Antibodies and Lectins" Dept. of Microbiology & Immunology, U. of Okla. (Abstract).
			Simon <i>et al.</i> , 1992, "Peptoids: A modular approach to drug discovery," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 89:9367-9371.
			Sprague, P.W., "Analysis of Structure Activity Data with Catalyst," BioCAD Corp. (Abstract).
			Staňková <i>et al.</i> , 1994, "Application of One-Bead One-Structure Approach to Identification of Nonpeptide Ligands," <i>Drug Development Research</i> 33:146-156.
			Stephen and Lane, 1992, "Mutant Conformation of p53: Precise Epitope Mapping Using a Filamentous Phage Epitope Library."
			Wallace <i>et al.</i> , 1994, "A Multimeric Synthetic Peptide Combinatorial Library," <i>Peptide Research</i> 7:27-31.
			Wu <i>et al.</i> , 1994, "Identifying Substrate Motifs of Protein Kinases by a Random Library Approach," <i>Biochemistry</i> 33:14825-14833.

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		3,410,880	11/1966	Brockenhurst			
		3,450,673	06/1969	McKillip			
		3,485,806	12/1969	Bloomquist <i>et al.</i>			
		3,488,327	01/1970	Kollinsky <i>et al.</i>			
		3,488,389	01/1970	McKillip			
		3,499,032	03/1970	Clemens <i>et al.</i>			
		3,511,894	05/1970	Markert			
		3,527,802	09/1970	Slagel			
		3,555,095	01/1971	Slagel			
		3,565,868	02/1971	Sedor <i>et al.</i>			
		3,567,725	03/1971	Grabowski <i>et al.</i>			
		3,583,950	06/1971	Kollinsky <i>et al.</i>			
		3,598,790	08/1971	Kollinsky <i>et al.</i>			
		3,641,145	02/1972	Culbertson			
		3,664,990	05/1972	Slagel			
		3,671,473	06/1972	Sedor <i>et al.</i>			
		3,676,453	07/1972	Pines <i>et al.</i>			
		3,704,128	11/1972	Koda <i>et al.</i>			
		3,706,797	12/1972	McKillip <i>et al.</i>			
		3,706,800	12/1972	Hartlage <i>et al.</i>			
		3,715,343	02/1973	Slagel <i>et al.</i>			
		3,728,387	04/1973	Freis <i>et al.</i>			
		3,756,994	09/1973	Culbertson			
		3,781,319	12/1973	Wawzonek <i>et al.</i>			
		3,794,495	12/1974	Ishihara <i>et al.</i>			
		3,803,220	04/1974	Gasman			
		3,811,887	05/1974	Ishihara <i>et al.</i>			
		3,818,065	06/1974	Schoellkopf <i>et al.</i>			

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	APPLICANTS Joseph C. HOGAN, Jr.	
	FILING DATE January 23, 2004	GROUP 1772

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
		3,850,969	11/1974	Grimm <i>et al.</i>			
		3,893,974	07/1975	Niino <i>et al.</i>			
		3,898,087	08/1975	Brutchen <i>et al.</i>			
		3,904,749	09/1975	McKillip			
		3,925,284	12/1975	Carleton <i>et al.</i>			
		3,934,029	01/1976	Kabara			
		3,934,031	01/1976	Kabara			
		3,934,035	01/1976	Kabara			
		3,946,131	03/1976	Biefeld <i>et al.</i>			
		3,948,866	04/1976	Pennewiss <i>et al.</i>			
		3,968,065	07/1976	Morris <i>et al.</i>			
		3,969,298	07/1976	Gasman			
		3,985,807	10/1976	Grimm <i>et al.</i>			
		4,005,055	01/1977	Miron <i>et al.</i>			
		4,016,340	04/1977	Kolesinski <i>et al.</i>			
		4,022,623	05/1977	Fitzgerald <i>et al.</i>			
		4,046,658	09/1977	Brown			
		4,067,830	01/1978	Kresta			
		4,070,348	01/1978	Kraemer <i>et al.</i>			
		4,078,901	01/1978	Sung <i>et al.</i>			
		4,080,206	03/1978	Kolesinski <i>et al.</i>			
		4,097,444	06/1978	Teige <i>et al.</i>			
		4,102,916	07/1978	Falk			
		4,122,159	10/1978	Madrang <i>et al.</i>			
		4,140,680	02/1979	Sullivan			
		4,162,355	07/1979	Tsibris			

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U.S. PATENT DOCUMENTS							
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		4,189,481	02/1980	Kabara			
		4,212,905	07/1980	Talbris			
		4,213,860	07/1980	Tsibris			
		4,217,364	08/1980	Kabara			
		4,260,705	04/1981	Tsibris			
		4,280,008	07/1981	Schoellkopf <i>et al.</i>			
		4,304,705	12/1981	Heilmann <i>et al.</i>			
		4,378,411	03/1983	Heilmann <i>et al.</i>			
		4,424,272	01/1984	Taylor			
		4,451,619	05/1984	Heilmann <i>et al.</i>			
		4,485,236	11/1984	Rasmussen <i>et al.</i>			
		4,548,981	10/1985	Kolesinski <i>et al.</i>			
		4,617,253	10/1986	Taylor <i>et al.</i>			
		4,624,995	11/1986	Katritzky <i>et al.</i>			
		4,667,012	05/1987	Rasmussen <i>et al.</i>			
		4,670,528	06/1987	Taylor <i>et al.</i>			
		4,695,608	09/1987	Engler <i>et al.</i>			
		4,705,824	11/1987	Lin			
		4,737,560	04/1988	Heilmann <i>et al.</i>			
		4,740,568	04/1988	Katritzky <i>et al.</i>			
		4,777,217	10/1988	Rasmussen <i>et al.</i>			
		4,777,276	10/1988	Rasmussen <i>et al.</i>			
		4,785,070	11/1988	Rasmussen <i>et al.</i>			
		4,816,554	03/1989	Katritzky <i>et al.</i>			
		4,841,021	06/1989	Katritzky <i>et al.</i>			
		4,852,969	08/1989	Babirad <i>et al.</i>			

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		4,871,824	10/1989	Heilmann <i>et al.</i>			
		4,874,822	10/1989	Rasmussen <i>et al.</i>			
		4,898,923	02/1990	Katritzky <i>et al.</i>			
		4,948,715	08/1990	Hulme-Lowe <i>et al.</i>			
		4,981,933	01/1991	Fazio <i>et al.</i>			
		5,013,795	05/1991	Coleman <i>et al.</i>			
		5,039,813	08/1991	Fazio <i>et al.</i>			
		5,066,559	11/1991	Elmasry <i>et al.</i>			
		5,075,352	12/1991	Elmasry			
		5,081,197	01/1992	Heilmann <i>et al.</i>			
		5,091,489	02/1992	Heilmann <i>et al.</i>			
		5,094,766	03/1992	Kapuscinski <i>et al.</i>			
		5,138,071	08/1992	Schoellkopf <i>et al.</i>			
		5,147,957	09/1992	Kumar			
		5,149,806	09/1992	Moren <i>et al.</i>			
		5,157,108	10/1992	Krepski <i>et al.</i>			
		5,157,145	10/1992	Schoellkopf <i>et al.</i>			
		5,175,081	12/1992	Krepski <i>et al.</i>			
		5,185,102	02/1993	Harelstad <i>et al.</i>			
		5,194,623	03/1993	Krepski <i>et al.</i>			
		5,200,471	04/1993	Coleman <i>et al.</i>			
		5,571,698	11/1996	Ladner <i>et al.</i>			
		5,792,431	08/1998	Moore <i>et al.</i>			
		5,846,841	12/1998	Sepetov <i>et al.</i>			

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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
		1 181 218	02/1970	Great Britain			Yes No
		1 265 163	03/1972	Great Britain			Yes No
		0 185 493	06/1986	EPO			Yes No
		0 212 617B1	01/1989	EPO			Yes No
		63 17933	04/1988	Japan			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
			Aubry <i>et al.</i> , "Experimental Conformational Study of Two Peptides Containing $\alpha$ -Aminoisobutyric Acid. Crystal Structure of N-Acetyl- $\alpha$ -aminoisobutyric Acid Methylamide", <i>Biopolymers</i> , 17:1693-1711 (1978).
			Barker, C. C., "The Dehydration and Racemisation of N-Acyl-L-aspartic Acids by Acetic Anhydride", University College, Hull, pp. 453-456 (1952).
			Benedetti, Ettore, "Solid-State and Solution Conformation of Homo Oligo-( $\alpha$ -aminoisobutyric acids) from Tripeptide to Pentapeptide: Evidence for a $31_{10}$ Helix <sup>1a)</sup> ", <i>J. Am. Chem. Soc.</i> , 104:2437-2444 (1982).
			Benedetti <i>et al.</i> , "Folded and Extended Structures of Homooligopeptides from $\alpha,\alpha$ -Dialkylated Glycines. A Conformational Energy Computation and X-ray Diffraction Study", <i>J. Am. Chem. Soc.</i> 106:8146-8152 (1984).
			Benedetti <i>et al.</i> , "First Crystal Structure Analysis of a Complete Homo-Oligopeptide Series", <i>Istituto Chimico, University of Naples, Italy</i> , pp. 619-624.
			Bonora, Gian Maria, "Folded and Extended Structures of Homooligopeptides from $\alpha,\alpha$ -Dialkylated $\alpha$ -Amino Acids. An Infrared Absorption and H Nuclear Magnetic Resonance Study", <i>J. Am. Chem. Soc.</i> , 106:8152-8156 (1984).

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			Bonora <i>et al.</i> , "Synthesis of a Homologous Series of Protected Oligopeptides Derived From L-Norvaline", <i>Bull. Soc. Chim. Belg.</i> , 84(4):299-304 (1975).
			Bosch <i>et al.</i> , "(-)-Isovaline: Confirmation of its D-(=R)- Configuration by X-Ray Analysis of Its N-Chloroacetyl Derivative", <i>Tetrahedron</i> 38(24):3579-3583 (1982).
			Bosch <i>et al.</i> , "Structure of the $3_{10}$ -Helical Pentapeptide Boc-Aib-L-Ala-Aib-L-Ala-Aib-OMe Dihydrate, $C_{24}H_{43}N_6O_9 \cdot 2H_2O$ ", <i>Acta Cryst.</i> C39 pp. 776-778 (1983).
			Brown, Melancthon S., "Preparation of Some New Aminimides", <i>Journal of Chemical and Engineering Data</i> , 12(4) (1967).
			Burgess <i>et al.</i> , "An Obligatory $\alpha$ -Helical Amino Acid Residue", <i>Biopolymers</i> , 12:2599-2605 (1973).
			Cleaver <i>et al.</i> , "Synthesis of 2,2'-Bis-[5(4H)-oxazolones]", 77:1544-1546 (1955).
			Corkill <i>et al.</i> , "Light Scattering by Polydisperse Cylindrical Micelles", <i>Newcastle Technical Centre</i> , pp. 1274-1280 (1969).
			Culbertson, B.M., "Aminimides. VII Homo- and Copolymerization Studies on 1,1-Dimethyl-1-(2-hydroxypropyl)amine-Methacrylimide and 1,1-Dimethyl-1-(2,3-dihydroxypropyl)amine-Methacrylimide," <i>Macromolecules</i> , Vol. 1, page 254, June 1968.
			Culbertson <i>et al.</i> , "Synthesis and Polymerization Studies of aminimide Monomers containing Acetoxyl or Carboxylic Acid Residues", <i>Applied Polymer Symposium</i> , 26:339-410 (1975).
			Delaney <i>et al.</i> , "Sterically-Hindered Amino Acids, Directors of Peptide Conformation", <i>Proceedings of the Seventh American Peptide Symposium, Peptides-Synthesis-Structure-Function</i> , pp. 303-306
			Dharanipragada <i>et al.</i> , "Asymmetric Synthesis of Unusual Amino Acids: An Efficient Synthesis of Optically Pure Isomers of $\beta$ -Methylphenylalanine", <i>Tetrahedron</i> , 48(23):4733-4748 (1992).
			Fazio <i>et al.</i> , "Synthesis and Reactivity of Highly Versatile VDMO-VBC Copolymers", <i>Polymer Bulletin</i> 22, pp. 449-454 (1989).
			Fox, Jr., <i>et al.</i> , "A voltage-gated ion channel model inferred from the crystal structure of alamethicin at 1.5-Å resolution", <i>Nature</i> , 300:325-330 (1982).

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			Francis, A.K., "The Crystal Structure of a $3_{10}$ Helical Decapeptide Containing $\alpha$ -Aminoisobutyric Acid", <i>FEBS Letters</i> , 155(2):230-232 (1993).
			Francis, Athappilly K., "The Crystal Structure of the Amino-Terminal Pentapeptide of Suzukacillin. Occurrence of a Four-fold Peptide Helix", <i>J. Chem. Soc. Perkin Trans. II</i> , 1235-1239 (1982).
			Francis <i>et al.</i> , "Crystal Structure of Boc-Ala-Aib-Ala-Aib-Methyl Ester, A Pentapeptide Fragment of the Channel-Forming Ionophore Suzukacillin", <i>Biopolymers</i> , 22:1499-1505 (1983).
			Haas <i>et al.</i> , "Thermally Reversible Homopolymer Gel Systems", <i>Polymer Letters</i> , 2:1095-1096 (1964).
			Hardy <i>et al.</i> , "Peptides Containing Dipropylglycine: Part 1. Preparation of protected derivatives of dipropylglycine and their incorporation into dipeptides," <i>Int. J. Peptide Protein Res.</i> , 21:392-405 (1983).
			Hardy <i>et al.</i> , "Peptides Containing Dipropylglycine: Part 2. Preparation of tripeptides and higher homologomers of dipropylglycine," <i>Int. J. Peptide Protein Res.</i> , (1983), pp. 406-418.
			Heilmann <i>et al.</i> , "The Chemistry of 2-Alkenyl-2-Oxazolin-5-Ones," <i>Central Research Laboratories, 3M Corp.</i>
			Heilmann <i>et al.</i> , "Chemistry of Alkenyl Azlactones. IV. Preparation and Properties of Telechelic Acrylamides Derived from Amine-terminated Oligomers", <i>Journal of Polymer Science, Polymer Chemistry Edition</i> , 22:3149-3160 (1984).
			Hinds, Mark G., "Synthesis, Conformational Properties, and Antibody Recognition of Peptides Containing $\beta$ -Turn Mimetics Based on $\alpha$ -Alkylproline Derivatives", <i>J. Med. Chem.</i> , 34:1777-1789 (1991).
			Hruby, Victor J., "Design of Drugs Acting at Peptidergic Receptors", <i>University of Arizona, Tuscon, AZ</i> , pp. 797-804.
			Hruby <i>et al.</i> , "Conformational and Dynamic Considerations in the Design of Peptide Hormone Analogs", <i>Biopolymers</i> , 22:517-530 (1983).
			Hubner, Van Klaus <i>et al.</i> , "Die Angewandte Makromolekulare Chemie 11," <i>Synthese und Reaktionen</i> , pp. 109-124 (1970).
			Inubushi <i>et al.</i> , "Thermal Decomposition Behavior of Mono-aminimides and Their Application to Polymerization of Epoxide", <i>Journal of Polymer Science: Part A: Polymer Chemistry</i> , 25:137-150 (1987).

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	January 23, 2004	1772

			Inubushi <i>et al.</i> , "Tough Epoxy Resins Cured with Aminimides", <i>Journal of Polymer Science, Part A: Polymer Chemistry</i> , 26:1779-1789 (1988).
			Iwakura <i>et al.</i> , "Synthesis of N-[1-(1-Substituted 2-oxopropyl)]acrylamides and -methacrylamides. Isolation and Some Reactions of Intermediates of the Dakin-West Reaction", <i>The Journal of Organic Chemistry</i> , (1966).
			Jung, G., "Stabilizing Effects of 2-Methylalaline Residues on $\beta$ -Turns and $\alpha$ -Helixes", <i>Biopolymers</i> , 22:241-246 (1983).
			Jung, Gunther, "Structure and Activity of Natural Peptides, Properties of the Membrane Modifying Polypeptide Antibiotics Alamethicin and Trichotoxin A-40," Walter deGruyter Berlin, 1981, pp 76-114.
			Kazmierski <i>et al.</i> , "Topographic Design of Peptide Neurotransmitters and Hormones on Stable Backbone Templates: Relation of Conformation and Dynamics to Bioactivity", <i>J. Am. Chem. Soc.</i> , 113:2275-2283 (1991).
			Leibfritz, Dieter, "Synthesen von 2-Methylalanin-Peptiden, die pH-Abhangigkeit Ihrer $^{13}\text{C}$ -NMR-Spektren und Eine Neue Methode Zur Auswertung uber CS-Diagramme", <i>Tetrahedron</i> , 38(14):2165-2181 (1982).
			Leplawy, M.T. <i>et al.</i> , "Synthesis of Peptides Derived from Alpha-Methylalanine," <i>Tetrahedron</i> , Vol. 11, pp. 39-51, (1960).
			Marshall, Garland R., "Intra-Science Chemistry Reports," Volume 5, No. 4 (1971), pp. 305-316, <i>Studies on the Biologically-Active Conformations of Angiotensin</i> .
			Marshall <i>et al.</i> , "Angiotensin II - Studies on the Biologically Active Conformation", <i>Supplement II to Circulation Research</i> , vols. XXX and XXXI:143-150 (1972).
			Mayr <i>et al.</i> , "Die Kristallstruktur von $\alpha$ -(tert-Butyloxycarbonylamino)-isobuttersaure", <i>Liebigs Ann. Chem.</i> , 715-724 (1980).
			McKillip <i>et al.</i> , "The Chemistry of Aminimides", <i>Chemical Reviews</i> , 73(3):255-281 (1973).
			Mierke <i>et al.</i> , "Peptidomimetics in the Study of Opiate Peptides", <i>Chemistry Department, University of California, San Diego, Clinical Research Institute of Montreal, Montreal Quebec, Canada H2W 1R7, Structural Biology</i> , pp. 348-350.
			Muthiah <i>et al.</i> , "Copolymers of 2-Vinyl-4,4-Dimethylazlactone with Styrene and Ethyl $\alpha$ -Hydroxymethylacrylate", <i>Jounral of Polymer Science: Part A: Polymer Chemistry</i> , 29:29-37 (1991).

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			Nagaraj <i>et al.</i> , "Alamethicin, a Transmembrane Channel", <i>Acc. Chem. Res.</i> , 14:356-362 (1981).
			Nagaraj <i>et al.</i> , "Stereochemically Constrained Linear Peptides. Conformations of Peptides Containing $\alpha$ -Aminoisobutyric Acid", <i>J. Am. Chem. Soc.</i> , 101(1):16-20 (1979).
			Nair <i>et al.</i> , "Structure of a Peptide Oxazolone: 2-(1-Benzoyloxycarbonylamino-1'-methylethyl)-4,4-dimethyl-5-oxazolone", <i>Acta Cryst.</i> , B36:1498-1500 (1980).
			Nicolas, Ernesto, "Asymmetric Synthesis of Unusual Amino Acids: Synthesis of Optically Pure Isomers of $\beta$ -methyltyrosine", <i>Tetrahedron Letters</i> , 30(49):6845-6848 (1989).
			Niino <i>et al.</i> , "Aminimide as Hardener/Curing Promoter for One Part Epoxy Resin Composition", <i>J. Applied Polymer Science</i> , 27:2361-2368 (1982).
			Paterson <i>et al.</i> , "Sensitivity of Polypeptide Conformation to Geometry. Theoretical Conformational Analysis of Oligomers of $\alpha$ -Aminoisobutyric Acid", <i>J. Am. Chem. Soc.</i> , 103(11):2947-2955 (1981).
			Peters <i>et al.</i> , "Quantum Theory of the Structure and Bonding in Proteins", <i>J. Molecular Structure</i> , 86:341-347 (1982).
			Prasad <i>et al.</i> , "Molecular Structure of Boc-Aib-Aib-Phe-Met-NH <sub>2</sub> DMSO. A Fragment of a Biologically Active Enkephalin Analogue", <i>J. Chem. Soc. Perkin Trans.</i> , 1:417-421 (1983).
			Rao <i>et al.</i> , "Hydrophobic Channels in Crystals of an $\alpha$ -Aminoisobutyric Acid Pentapeptide", <i>Biochem. &amp; Biophys. Res. Comm.</i> , 103(3):898-904 (1981).
			Rao <i>et al.</i> , "Molecular Structure of t-Butyloxycarbonyl-Leu-Aib-Pro-Val-Aib-Methyl Ester, a Fragment of Alamethicin and Suzukacillin: a 3 <sub>10</sub> -Helical Pentapeptide", <i>Biopolymers</i> , 21:2461-2472 (1982).
			Rasmussen <i>et al.</i> , "Multiazlactones--Potential Alternatives to Isocyanate and Epoxy Resins," pp. 33-34.
			Rasmussen <i>et al.</i> , "Chemistry of Alkenylazlactones, 2 <sup>a</sup> ) Reaction with thiols", <i>Makromol. Chem. Rapid Comm.</i> , 5:67-70 (1984).
			Roques, Bernard P., "Peptidomimetics as Receptor Agonists or Peptidase Inhibitors: A Structural Approach in the Field of Enkephalins, ANP and CCK", <i>Biopolymers</i> , 32:407-410 (1992).

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	January 23, 2004	1772

		Schmitt, Heribert, "The $\alpha$ -Helical Conformation of the Undecapeptide Boc-L-Ala-[Aib-Ala] <sub>2</sub> -Glu(OBzl)-Ala-[Aib-Ala] <sub>2</sub> -OMe: Synthesis, X-Ray Crystal Structure, and Conformation in Solution", <i>Liebigs Ann. Chem.</i> , pp. 1304-1321 (1982).
		Schollkopf, Ulrich <i>et al.</i> , "Asymmetric Syntheses via Heterocyclic Intermediates; VIII. Enantioselective Synthesis of (R)- $\alpha$ -amino Acids using L-Valine as Chiral Auxiliary Reagent," <i>Communications</i> , December 1981, pp. 969-971.
		Schollkopf, Ulrich, "Asymmetric Synthesis of Boc-L-Val-(R)- $\alpha$ -MePro-OMe, Boc-L-Val-(R)-Proome, and of Boc-L-Val-(R)- $\alpha$ -MePhe-OMe, Ac-L-Val-(R)- $\alpha$ -MePhe-OMe and Their Analogues. A New Strategy for the Synthesis of Non-Proteinogenic Dipeptides", <i>Liebigs Ann. Chem.</i> , pp. 1025-1031 (1988).
		Schollkopf <i>et al.</i> , "Asymmetrische Synthesen von $\alpha$ -Alkyl- $\alpha$ -aminocarbonsauren 2- Imidazonin-5-onen", <i>Angew. Chem.</i> , 90(2):136-138 (1978).
		Schollkopf <i>et al.</i> , "Enantioselective Synthesis of $\alpha$ -Methyl- $\alpha$ -aminocarboxylic Acids by Alkylation of the Lactim Ether of Cyclo-(L-Ala-L-Ala)", <i>Angew. Chem. Int. Ed. Engl.</i> , vol. 18(11):863-864 (1979).
		Shamala <i>et al.</i> , "The $3_{10}$ Helical Conformation of a Pentapeptide Containing $\alpha$ -Aminoisobutyric Acid (Aib): X-Ray Crystal Structure of Tos-(Aib) <sub>5</sub> -OMe", <i>J.C.S. Chem. Comm.</i> , pp. 996-997 (1978).
		Shamala <i>et al.</i> , "The Crystal and Molecular Structure of the Amino Terminal Tetrapeptide of Alamethicin. A Novel 310 Helical Conformation", <i>Biochem. &amp; Biophys. Res. Comm.</i> , vol. 79(1):292-298, (1977).
		Slagel, R.C., "Aminimides. VI. Synthesis of Aminimides from Carboxylic Acid Esters, Unsymmetrically Disubstituted Hydrazines, and Epoxides", <i>J. Organic Chem.</i> , vol. 33, no. 4 (1968).
		Smith, Richard F., "Reactions of Hydrazines with Esters and Carboxylic Acids", <i>J. Organic Chem. - Notes</i> , 33(2):851-855 (1968).
		Smith, G. David, "Crystal Structures and Conformational Calculations of Fragments of Alamethicin Containing Aminoisobutyric Acid," <i>J. Am. Chem. Soc.</i> , 103:1493-1501 (1981).
		Taylor <i>et al.</i> , "A convenient synthesis of 5-oxazolones. 2-phenyl-5-oxazolone", <i>Organic Preparations and Procedures</i> , 1(3):217-219 (1969).
		Taylor <i>et al.</i> , "The Synthesis of Vinyl Peptide Monomers", <i>Polymer Letters</i> , 7:597-603 (1969).
		Taylor <i>et al.</i> , "A Polymer whose Aqueous Solutions Show the Properties of Negative Thixotropy and Thermoreversible Gelation: (Poly-(Trimethylamine p-Vinylbenzimidide)", <i>J. Polymer Science: Part C: Polymer Letters</i> , 24:287-289 (1986).

EXAMINER	DATE CONSIDERED
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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO.	APPLICATION NO.
	16887.068	10/764,112
	APPLICANTS	
	Joseph C. HOGAN, Jr.	
	FILING DATE	GROUP
	January 23, 2004	1772

			Taylor <i>et al.</i> , "Synthesis of Poly(4,4-dimethyl-2-vinyl-5-oxazolone) an Interesting Material for Preparing Polymeric Agents", <i>Makromol Chem. Rapid Commun.</i> , 3:779-782 (1982).
			Taylor <i>et al.</i> , "Synthesis and Polymerization of 2-vinyl-4,4-Dimethyl-5-Oxazolone", <i>Polymer Letters</i> , 9:187-190 (1971).
			Tikdari <i>et al.</i> , "Reactions of Some 1,3-Diaminonucleophiles with Azlactones", <i>J. Chem. Soc. Perkin Trans. I</i> , 1659-1662 (1988).
			Toniolo <i>et al.</i> , "Bioorganic stereochemistry A study of the peptide oxazolones from Z-(Aib) <sub>n</sub> -OH(n=2-4) in the solid state", <i>Int. J. Peptide Protein Res.</i> , 22:603-610 (1983).
			Toniolo <i>et al.</i> , "Preferred Conformations of Peptides Containing $\alpha,\alpha$ -Disubstituted $\alpha$ -Amino Acids", <i>Biopolymers</i> , 22:205-215 (1983).
			Van Roey <i>et al.</i> , "Crystal and molecular structure of tert-butyloxycarbonyl-L-hydroxy-prolyl- $\alpha$ -aminoisobutyryl- $\alpha$ -aminoisobutryl-L-phenylalaninol", <i>Int. J. Peptide Protein Res.</i> , 19:499-505 (1982).
			Van Roey <i>et al.</i> , "tert-Butyloxycarbonyl- $\alpha$ -aminoisobutyryl- $\alpha$ -aminobutyrate Benzyl Ester, C <sub>20</sub> H <sub>30</sub> N <sub>2</sub> O <sub>5</sub> ", <i>Acta Cryst.</i> , C39:894-896 (1983).
			Venkatachalapathi <i>et al.</i> , "X-Pro Peptides: Solution and Solid-State Conformation of Benzyloxycarbonyl-(Aib-Pro) <sub>2</sub> -methyl Ester, a Type I $\beta$ -Turn", <i>Biopolymers</i> , 20:1123-1136.

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